

Fig. 1

Figure 1. A schematic diagram of a cross-section of a structure, showing the geometry and dimensions. The diagram includes a central vertical axis and a horizontal axis. The structure is defined by a curved upper boundary and a straight lower boundary. The dimensions are labeled as follows: L (total length), L2 (length of the lower section), W1 (width of the upper section), W2 (width of the lower section), W3 (width of the central section), and W4 (width of the outer section). The points A, B, C, D, E, F, and G are marked on the upper boundary. The points A, B, C, D, E, and F are marked on the lower boundary. The points A, B, C, D, E, F, and G are marked on the central axis. The points A, B, C, D, E, F, and G are marked on the outer boundary. The points A, B, C, D, E, F, and G are marked on the inner boundary. The points A, B, C, D, E, F, and G are marked on the outer boundary. The points A, B, C, D, E, F, and G are marked on the inner boundary.

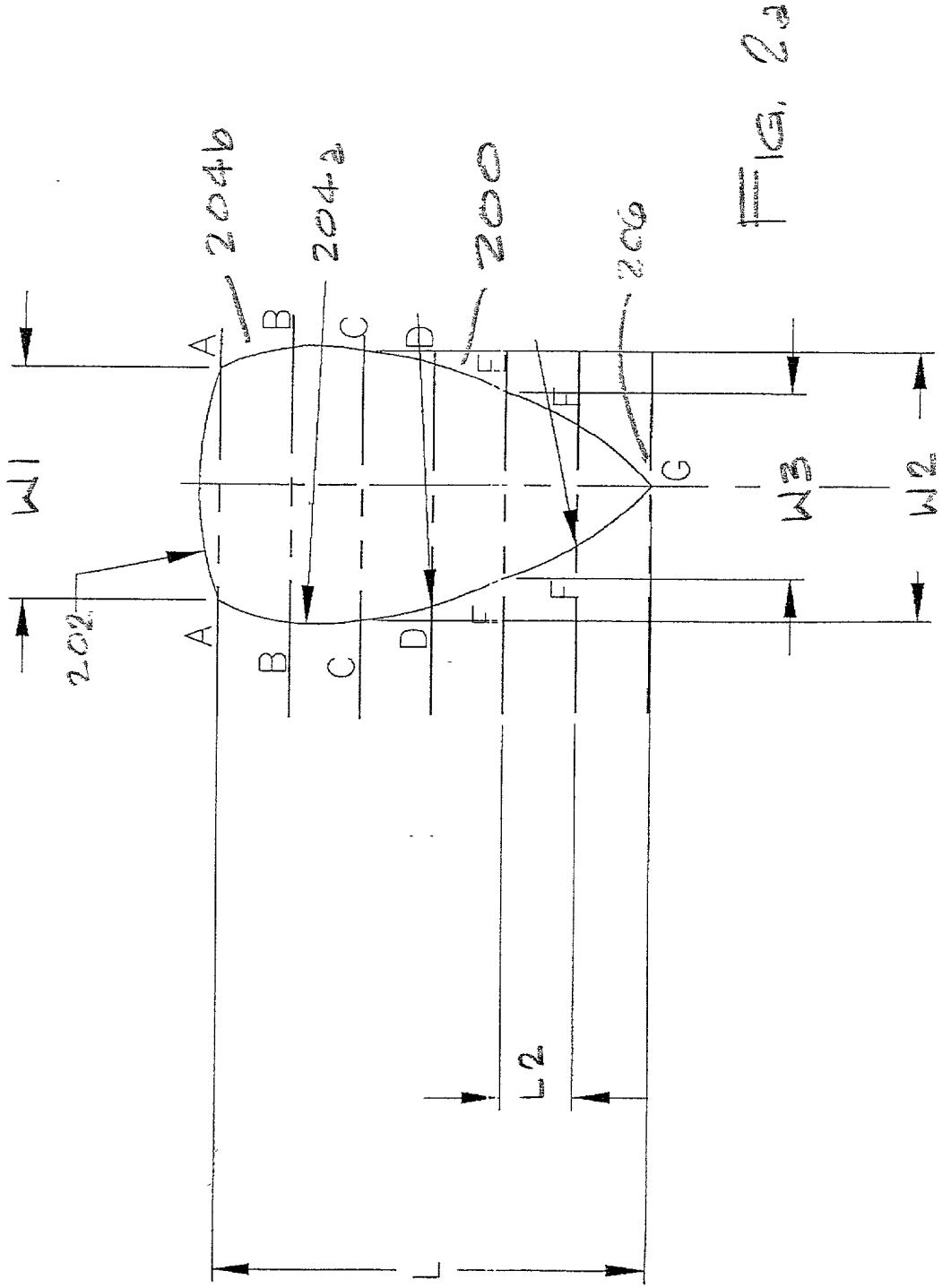
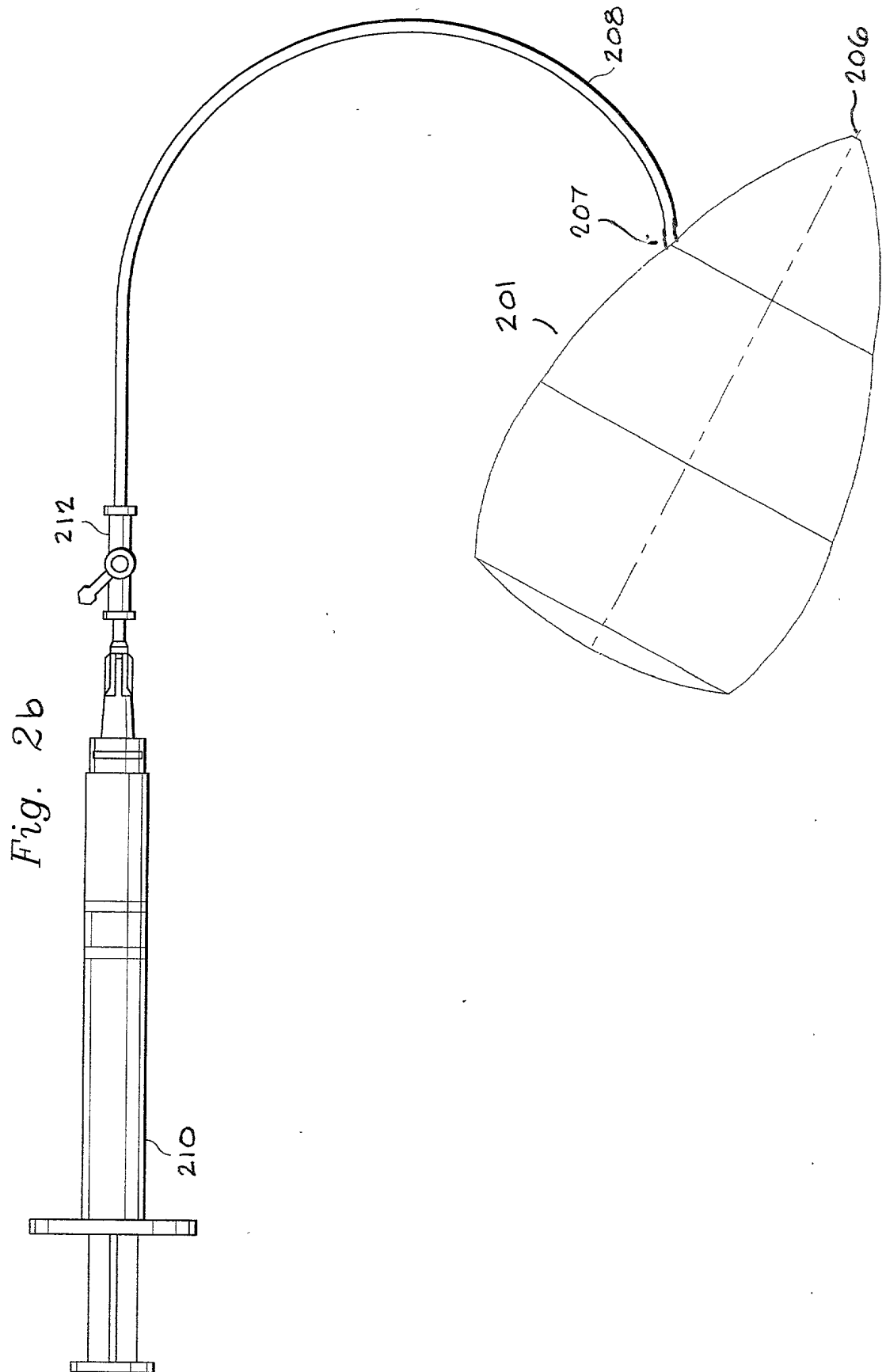


Fig. 2



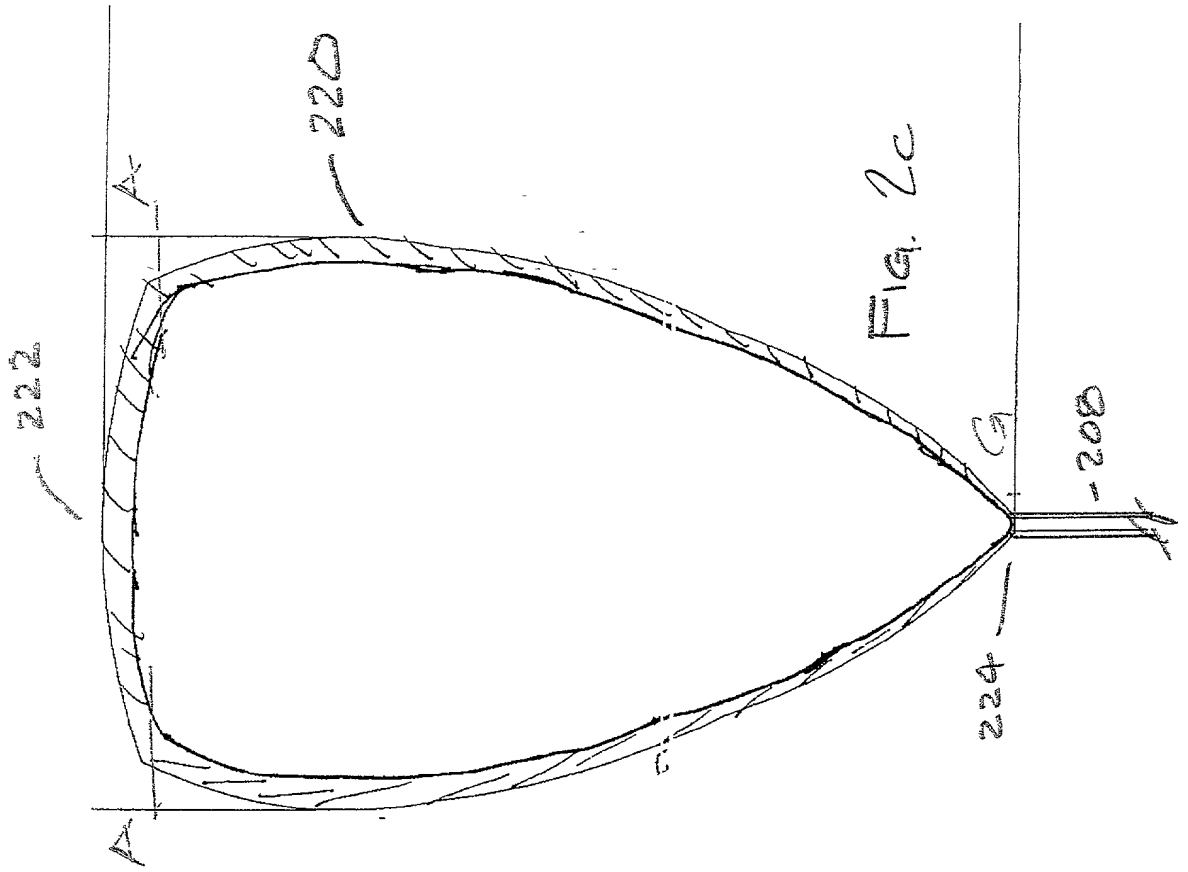


FIG. 2d

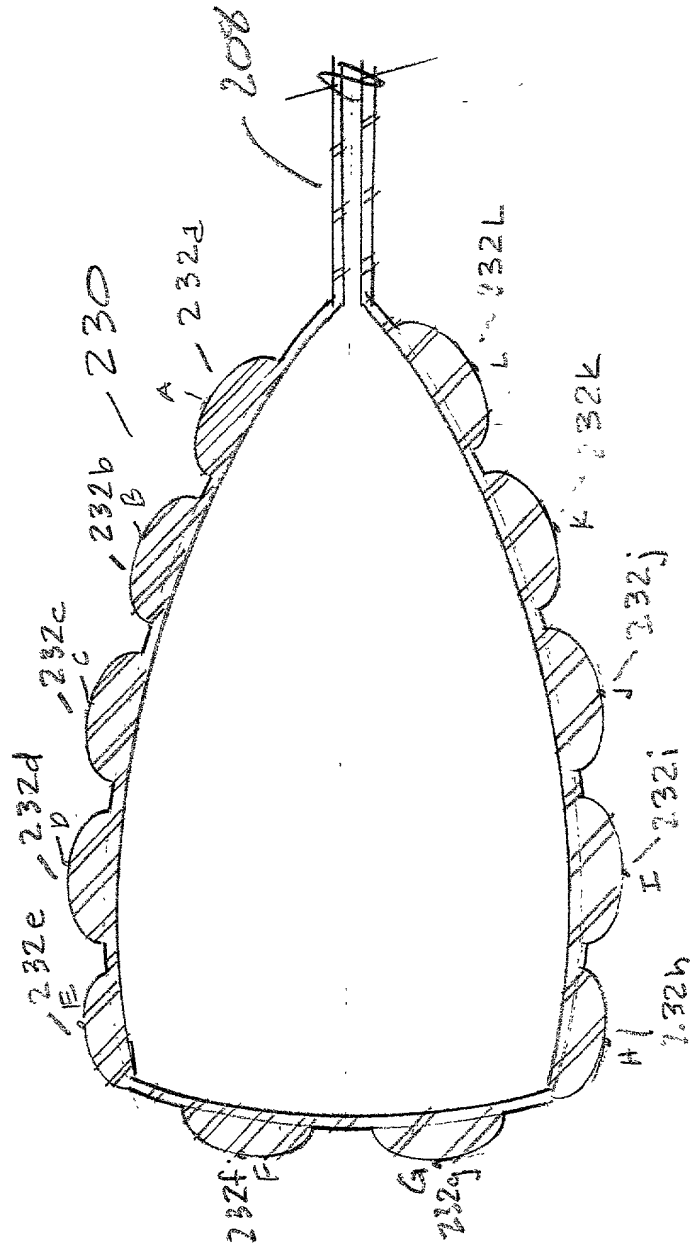


FIG. 2d

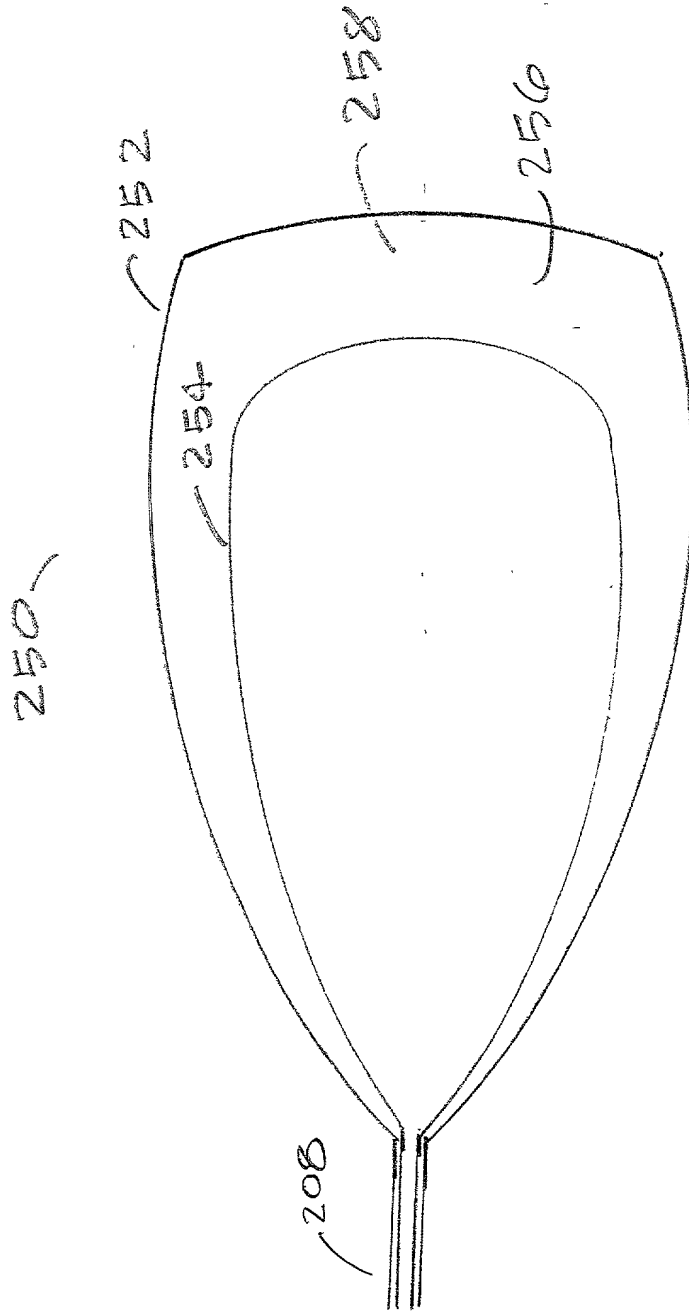


Fig 2e

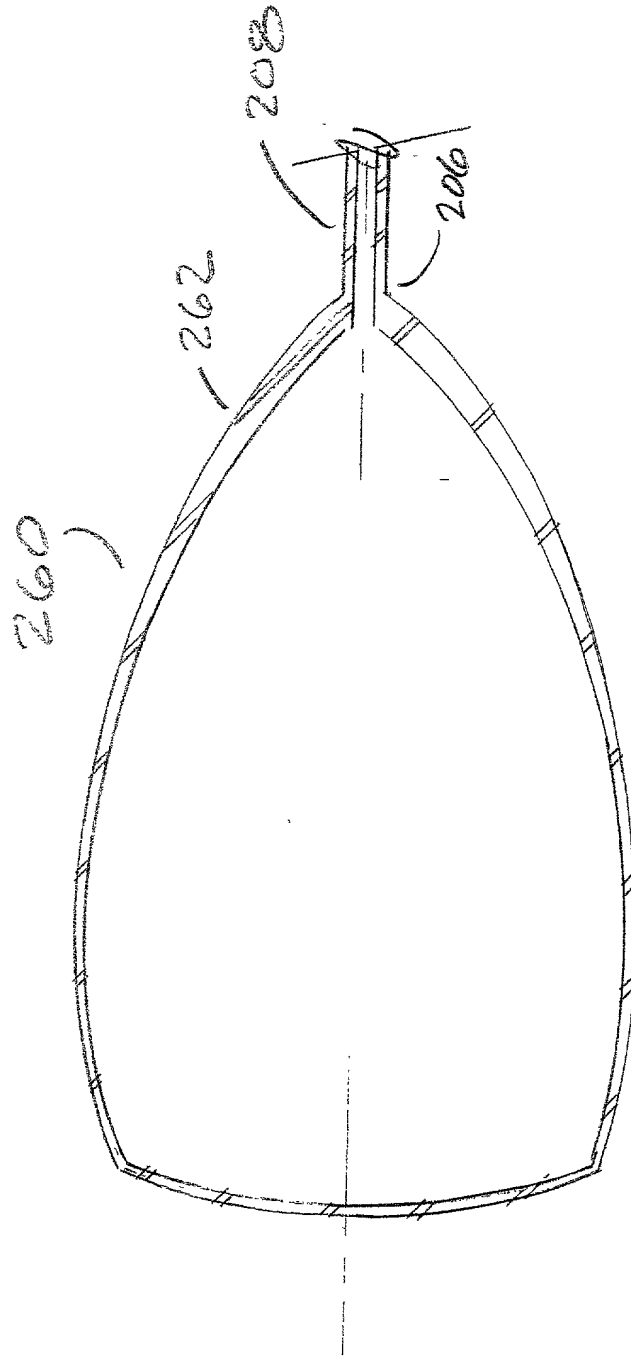
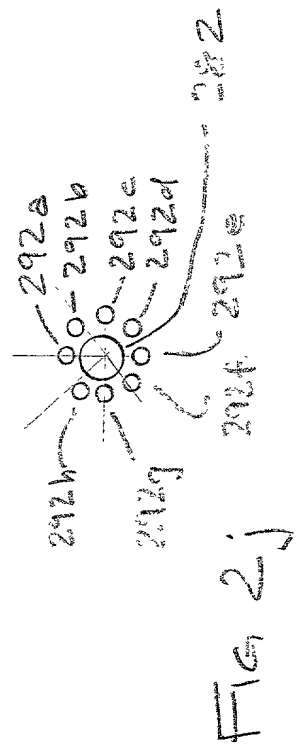
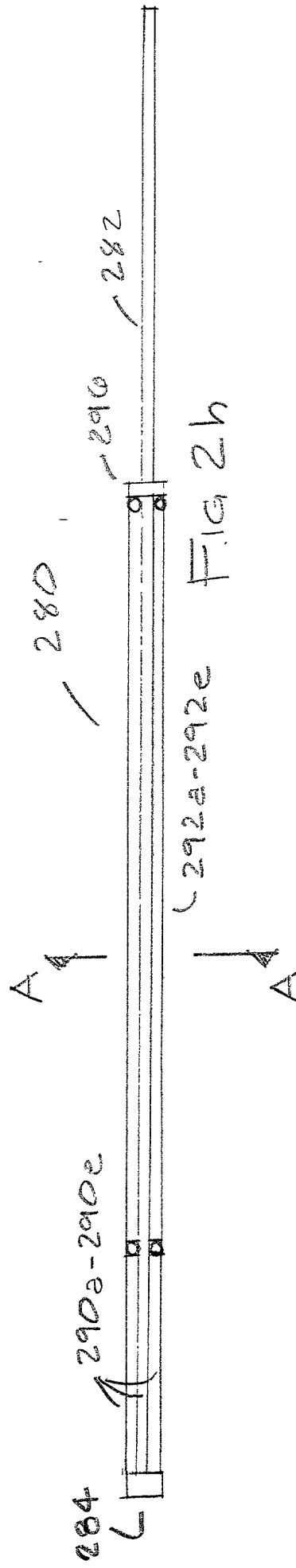
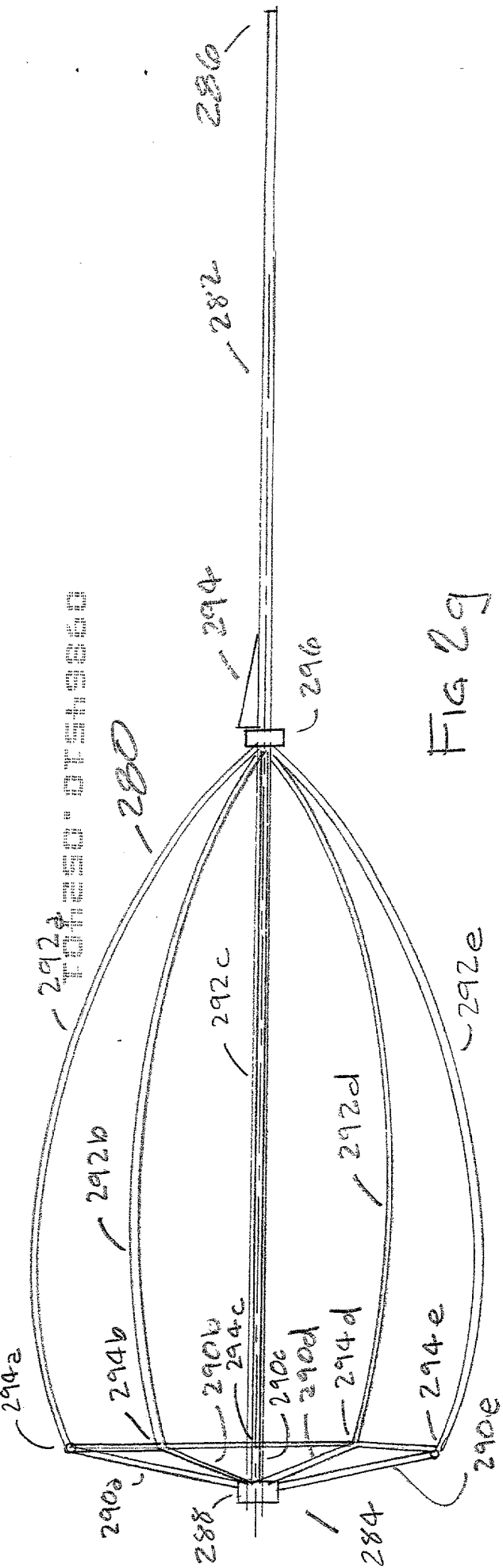
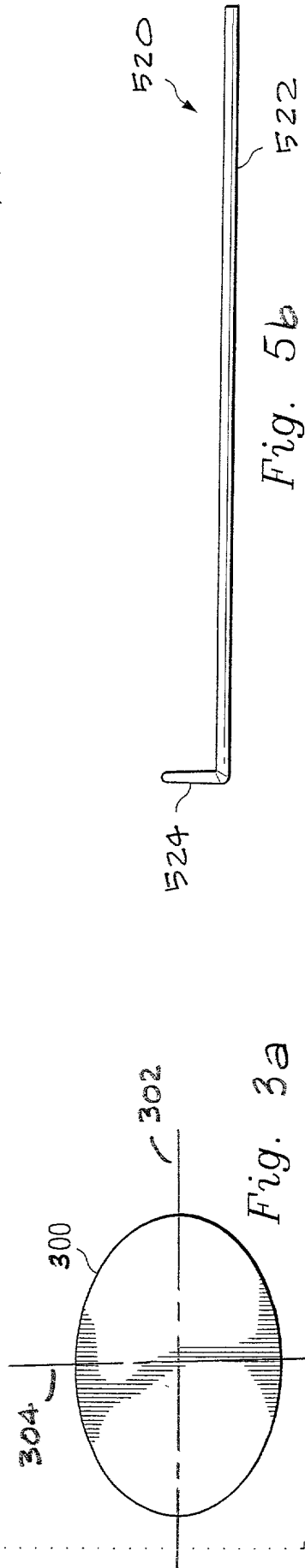
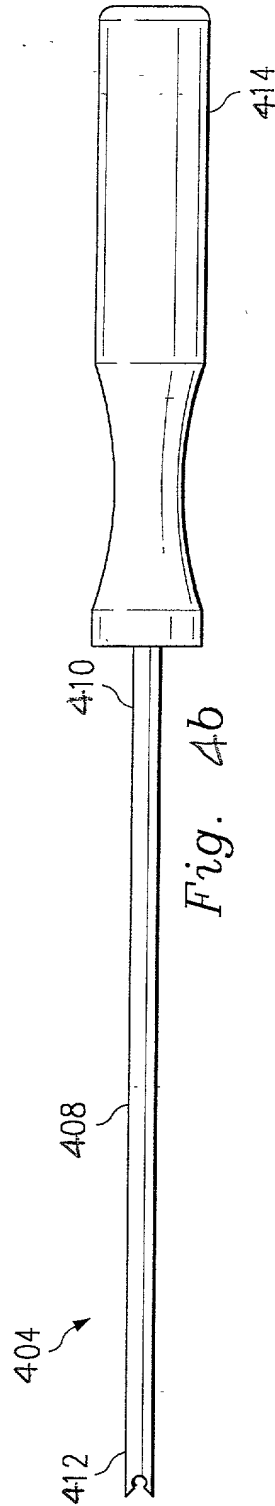
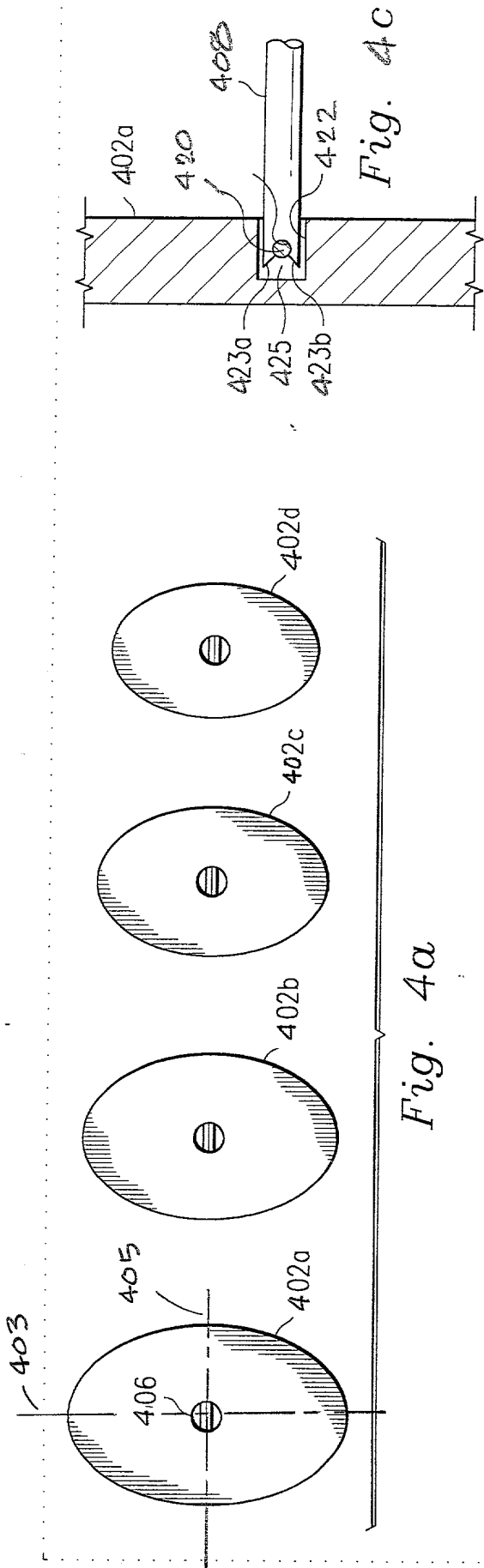


Fig. 2f







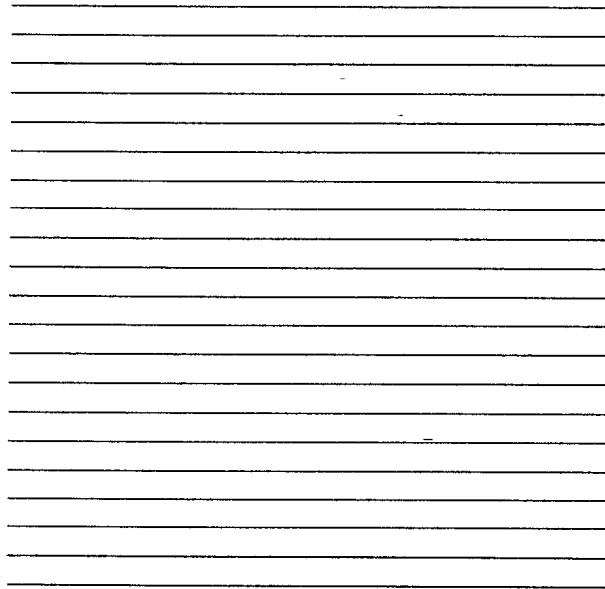


Fig. 3b

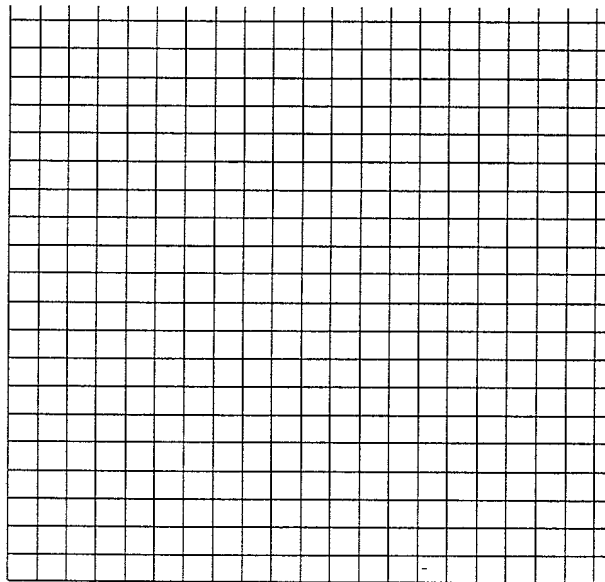


Fig. 3c

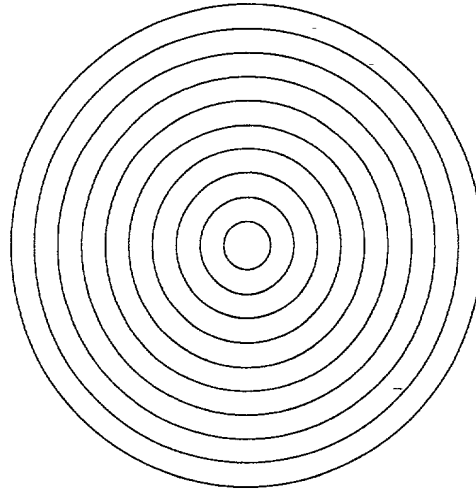


Fig. 3d

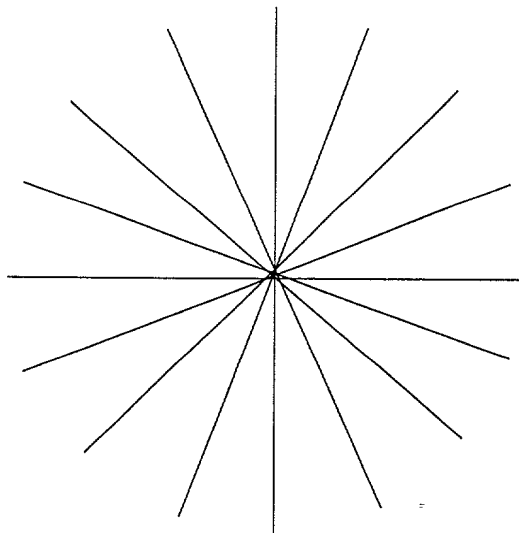


Fig. 3e

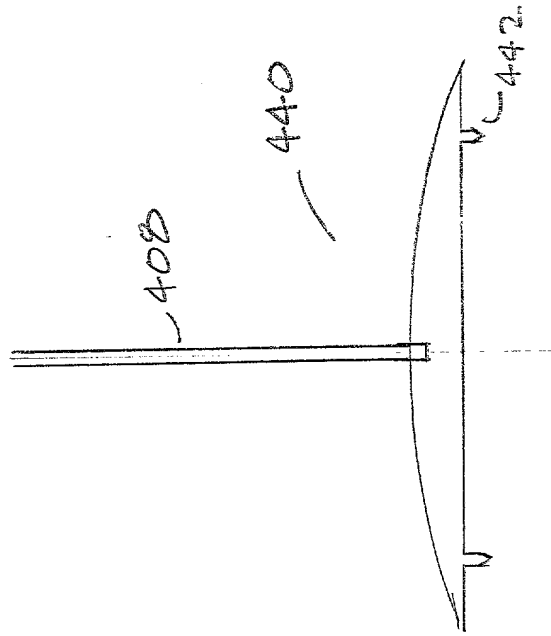


Fig 4e

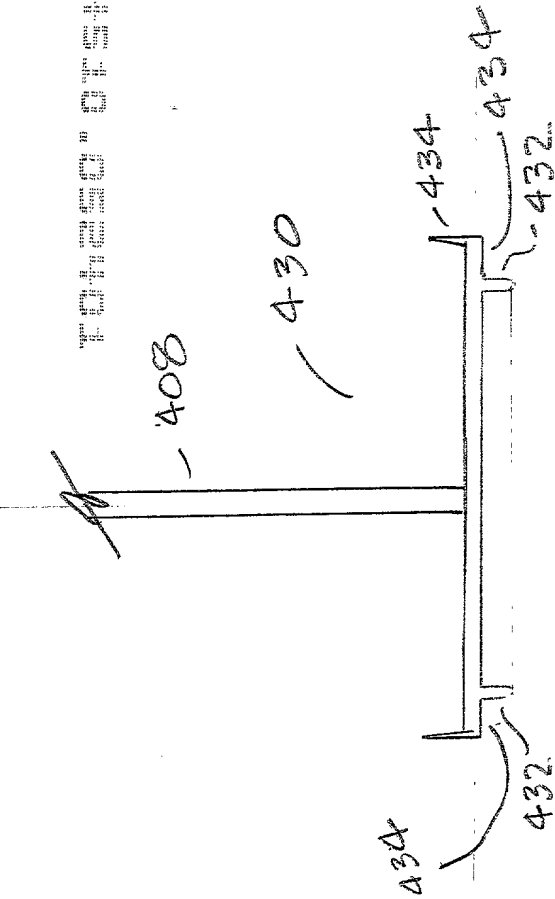


Fig 4d

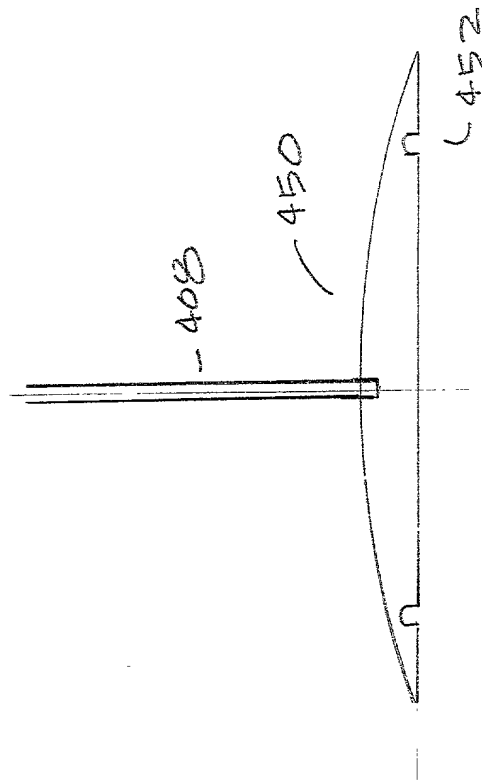


Fig 4f

FIG. 4g

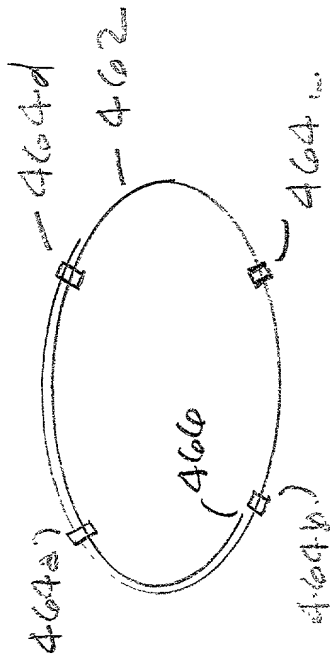


FIG 4h

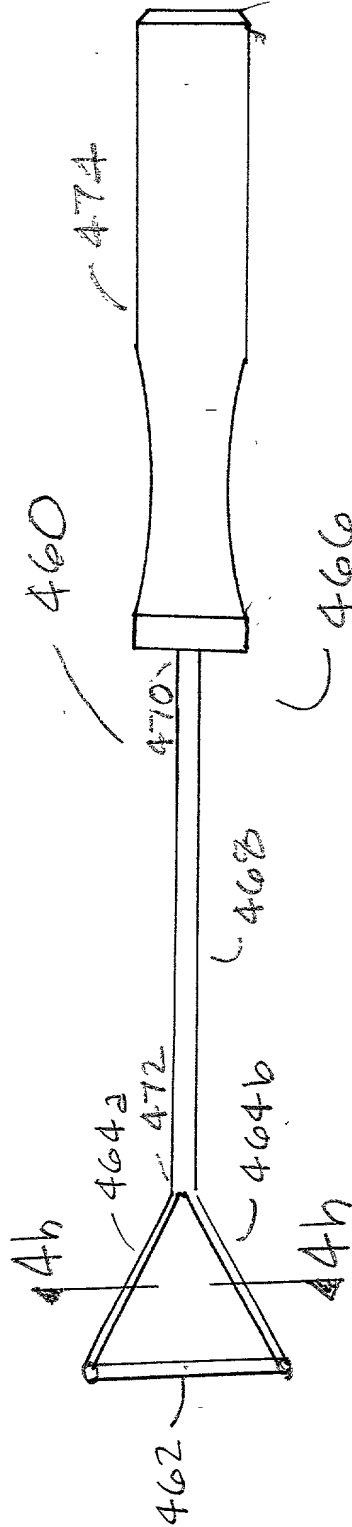


FIG 4g

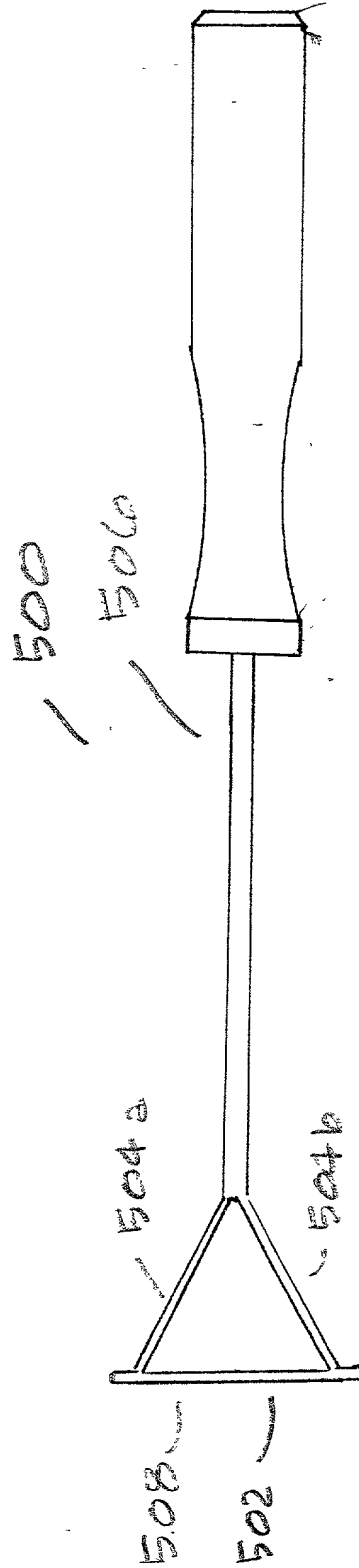


Fig. 15a

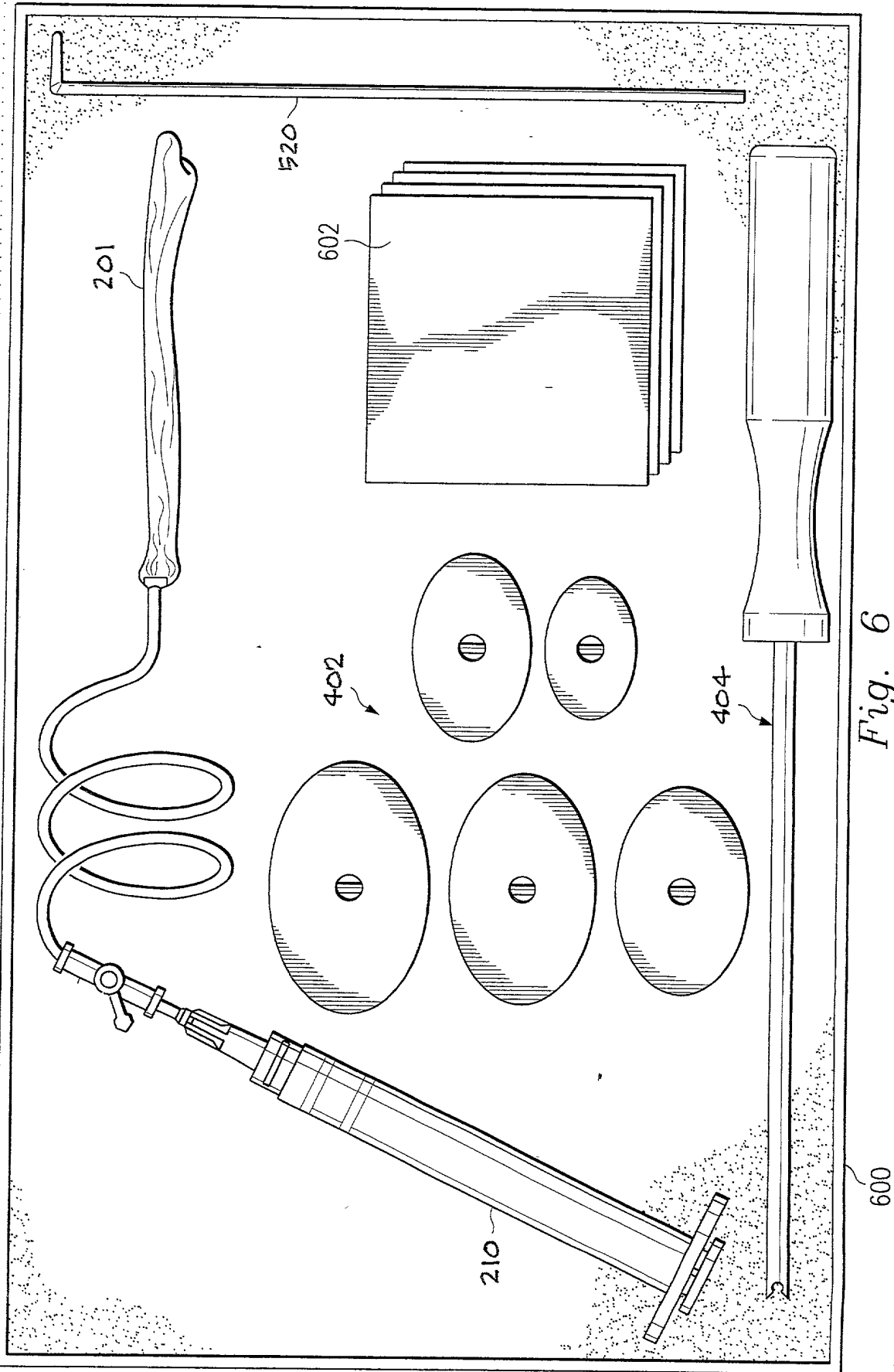


Fig. 6

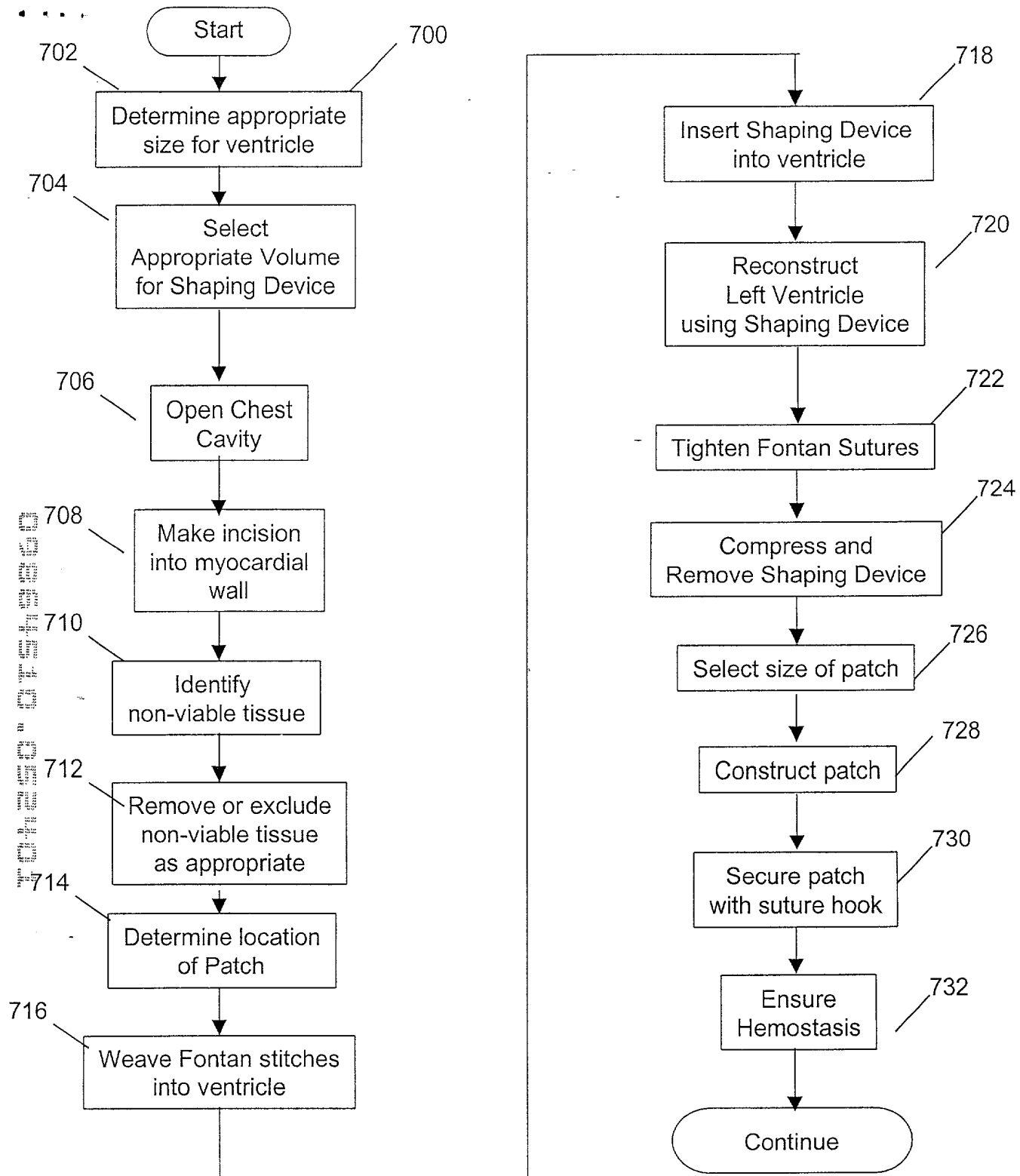


Fig. 7a



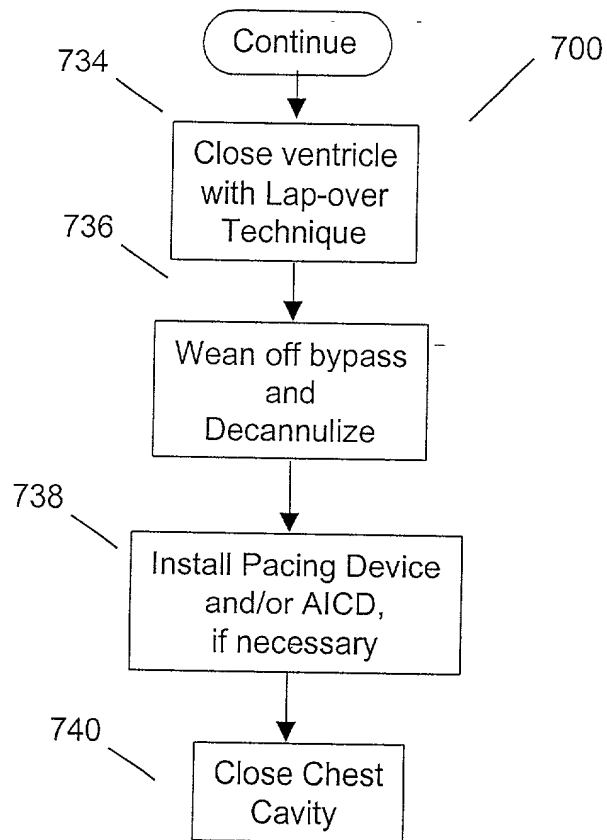


Fig. 7b